

ABSTRACT OF THE DISCLOSURE

A voltage generator arrangement supplies a largely constant output voltage with a high current driver capability. A bandgap reference circuit is downstream from an impedance converter and downstream a voltage generator. The bandgap reference circuit and the impedance converter on the one hand and the voltage generator on the other hand are
5 connected to different reference ground potential line. The impedance converter contains a charge pump circuit to provide increased control potential, which drives the voltage generator. The voltage generator in contrast produces a reduced output potential. The influence of any voltage drop on that reference ground potential line to which the voltage generator is connected in the output potential is thus likewise reduced.